

PCT

RAW SEQUENCE LISTING

DATE: 06/09/2004

PATENT APPLICATION: US/09/936,367A

TIME: 15:44:11

**ENTERED** 

Input Set : D:\1SEQUENCE LISTING expression of proteolytic

## enzymes.ST25.txt

presence of

Output Set: N:\CRF4\06092004\1936367A.raw

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3 <110> APPLICANT: Affolter et al.,
5 <120> TITLE OF INVENTION: Expression of proteolytic enzymes in koji mold in the
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carbon sources

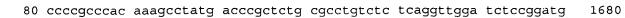
8 <130> FILE REFERENCE: 112843-029

- 10 <140> CURRENT APPLICATION NUMBER: us 09/936,367A
- 11 <141> CURRENT FILING DATE: 2001-09-11
- 13 <150> PRIOR APPLICATION NUMBER: 99 104 923.0
- 14 <151> PRIOR FILING DATE: 1999-03-11
- 16 <160> NUMBER OF SEQ ID NOS: 2
- 18 <170> SOFTWARE: PatentIn version 3.2
- 20 <210> SEQ ID NO: 1
- 21 <211> LENGTH: 4238
- 22 <212> TYPE: DNA
- 23 <213> ORGANISM: Aspergillus oryzae
- 25 <400> SEQUENCE: 1

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1620



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86 catctcaggt tgagcgtgat gaacaacatt ttgggttcca cgctggtcca cgtaatcacc
                                                                        1860
88 atttgttege etegegteae cacaceggte gtggeetgee tteeetttea gegtaegeea
                                                                        1920
90 tetegeacag catgageegt teteaettte aegaggaega ggatggttae aeteategeg
                                                                        1980
92 tcaagcgctc aaggcctaac tcaccaaact cgaccgctcc gtcctcaccg actttctctc
                                                                        2040
94 acgaetetet tteeceaaeg ceagaecaea eteegttgge aacceetget cattegeeae
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96 gettgaggte attgggatet agegaactee acetteette gattegeeat etgteeetee
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162 cttagattgt caccacacct tcgacgatgt cgagcaatgg aagactcacg ttctgagcca
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164 cttccgaacc cacgaaccac cgcgaacagc ccgatgccct ctatgtccgg gtgagcggtt
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172 <213> ORGANISM: Aspergillus oryzae
174 <400> SEQUENCE: 2
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177	1				5					10					15	
177		7 ~~	7 ~~	Ø1	-	C1	Cox	ח ד ת	Dro		Thr	Dro	77 n T	7 00		Ser
	GIII	ASII	ASII		1111	GIY	ser	АІа		Ser	1111	PIO	val	_	ser	ser
181	T	77-	D	20	mla sa	D-00	0	0	25	~1 <sub>~</sub>	Con	7 ~~	Com	30	Mot	ם דת
	ràs	Ala		ser	Thr	Pro	ser		THE	GIII	ser	ASII		THE	мес	Ата
185	_	_	35	_	_	_	_	40	_			~1	45			<b>77</b> -
	ser		vaı	ser	Leu	Leu		Pro	Leu	Met	ьуs		Ата	Arg	Pro	Ата
189		50			_		55	_	_	_	_	60	_	_		_
		Glu	Glu	Ala	Arg	Gln	Asp	Leu	Pro	Arg	•	Tyr	Lys	Cys	Pro	
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208	Asn	Asn	Pro	Asn	Ser	Arg	_	Ser	Asn	Lys	Ala	His	Leu	Ala	Ala	Ala
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224	His	Ser	Phe	Ser	Asn	Tyr	Ala	Gly	His	Met	Arg	Ser	Asn	Leu	Gly	Pro
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236	Phe	His	Ala	Gly	Pro	Arg	Asn	His	His	Leu	Phe	Ala	Ser	Arg	His	His
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276	Val	Gln	Asp	Met	Leu	Asn	Pro	Ser	Ala	Gly	Phe	Ser	Ser	Val	Ser	Ser
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200	DCI	TIIL	Maii	Mail	ser	vai	Ala	GIA	ASI	Asp	ьeu	Ald	GIU	Arg	Pne	

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/936,367A

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enzymes.ST25.txt

Input Set : D:\1SEQUENCE LISTING expression of proteolytic

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